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RAW SEQUENCE LISTING   DATE: 04/12/2002 p.5
PATENT APPLICATION: US/10/051,804A   TIME: 13:52:08

Input Set : A:\K-163.app
Output Set: N:\CRF3\04122002\J051804A.raw

```
   4 <110> APPLICANT: ANGEL, PETER
   5        HERRLICH, PETER
   6        VAN DAM, HANS
   7        VAN DER ERB, ALEX
   9 <120> TITLE OF INVENTION: TRANSCRIPTION FACTORS AND THEIR USE
  11 <130> FILE REFERENCE: K-163
C-->  13 <140> CURRENT APPLICATION NUMBER: US/10/051,804A
  14 <141> CURRENT FILING DATE: 2000-10-05
  16 <150> PRIOR APPLICATION NUMBER: PCT/EP99/01805
  17 <151> PRIOR FILING DATE: 1999-03-18
  19 <150> PRIOR APPLICATION NUMBER: DE 190 15 331.7
  20 <151> PRIOR FILING DATE: 1998-04-06
  22 <160> NUMBER OF SEQ ID NOS: 37
  24 <170> SOFTWARE: PatentIn Ver. 2.1
  26 <210> SEQ ID NO: 1
  27 <211> LENGTH: 32
  28 <212> TYPE: PRT
  29 <213> ORGANISM: Artificial Sequence
  31 <220> FEATURE:
  32 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
  33        sequence
  35 <220> FEATURE:
  36 <221> NAME/KEY: MOD_RES
  37 <222> LOCATION: (2)..(7)
  38 <223> OTHER INFORMATION: Variable amino acid
  40 <220> FEATURE:
  41 <221> NAME/KEY: MOD_RES
  42 <222> LOCATION: (9)..(14)
  43 <223> OTHER INFORMATION: Variable amino acid
  45 <220> FEATURE:
  46 <221> NAME/KEY: MOD_RES
  47 <222> LOCATION: (16)..(21)
  48 <223> OTHER INFORMATION: Variable amino acid
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  52 <222> LOCATION: (23)..(28)
  53 <223> OTHER INFORMATION: Variable amino acid
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  56 <221> NAME/KEY: MOD_RES
  57 <222> LOCATION: (30)..(32)
  58 <223> OTHER INFORMATION: Variable amino acid
  60 <400> SEQUENCE: 1
W-->  61 Leu Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa
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```
        62   1              5              10             15
W-->    64  Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa
        65                 20             25             30
        68  <210> SEQ ID NO: 2
        69  <211> LENGTH: 31
        70  <212> TYPE: PRT
        71  <213> ORGANISM: Artificial Sequence
        73  <220> FEATURE:
        74  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        75         peptide
        77  <400> SEQUENCE: 2
        78  Leu Glu Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
        79   1              5              10             15
        81  Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln
        82                 20             25             30
        85  <210> SEQ ID NO: 3
        86  <211> LENGTH: 31
        87  <212> TYPE: PRT
        88  <213> ORGANISM: Artificial Sequence
        90  <220> FEATURE:
        91  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        92         peptide
        94  <400> SEQUENCE: 3
        95  Leu Lys Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
        96   1              5              10             15
        98  Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln
        99                 20             25             30
        102 <210> SEQ ID NO: 4
        103 <211> LENGTH: 31
        104 <212> TYPE: PRT
        105 <213> ORGANISM: Artificial Sequence
        107 <220> FEATURE:
        108 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        109        peptide
        111 <400> SEQUENCE: 4
        112 Leu Glu Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
        113  1              5              10             15
        115 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln
        116                20             25             30
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        120 <211> LENGTH: 31
        121 <212> TYPE: PRT
        122 <213> ORGANISM: Artificial Sequence
        124 <220> FEATURE:
        125 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        126        peptide
        128 <400> SEQUENCE: 5
        129 Leu Glu Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
        130  1              5              10             15
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133            20              25              30
136 <210> SEQ ID NO: 6
137 <211> LENGTH: 31
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
143       peptide
145 <400> SEQUENCE: 6.
146 Leu Glu Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
147   1           5              10              15
149 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Lys Gln
150            20              25              30
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 31
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
160       peptide
162 <400> SEQUENCE: 7
163 Leu Lys Glu Lys Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
164   1           5              10              15
166 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln
167            20              25              30
170 <210> SEQ ID NO: 8
171 <211> LENGTH: 31
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
177       peptide
179 <400> SEQUENCE: 8
180 Leu Lys Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
181   1           5              10              15
183 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln
184            20              25              30
187 <210> SEQ ID NO: 9
188 <211> LENGTH: 31
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
194       peptide
196 <400> SEQUENCE: 9
197 Leu Lys Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
198   1           5              10              15
200 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Lys Gln
```

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PATENT APPLICATION: US/10/051,804A   TIME: 13:52:08

Input Set : A:\K-163.app
Output Set: N:\CRF3\04122002\J051804A.raw

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205 <211> LENGTH: 31
206 <212> TYPE: PRT
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
211      peptide
213 <400> SEQUENCE: 10
214 Leu Lys Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
215  1           5               10              15
217 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Lys Gln
218          20              25              30
221 <210> SEQ ID NO: 11
222 <211> LENGTH: 31
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
228      peptide
230 <400> SEQUENCE: 11
231 Leu Glu Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
232  1           5               10              15
234 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Glu Gln
235          20              25              30
238 <210> SEQ ID NO: 12
239 <211> LENGTH: 31
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
245      peptide
247 <400> SEQUENCE: 12
248 Leu Lys Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
249  1           5               10              15
251 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Glu Gln
252          20              25              30
255 <210> SEQ ID NO: 13
256 <211> LENGTH: 31
257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
262      peptide
264 <400> SEQUENCE: 13
265 Leu Glu Glu Lys Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
266  1           5               10              15
268 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Glu Gln
269          20              25              30
```

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272 <210> SEQ ID NO: 14
273 <211> LENGTH: 31
274 <212> TYPE: PRT
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
279       peptide
281 <400> SEQUENCE: 14
282 Leu Glu Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
283  1               5                  10                  15
285 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Glu Gln
286             20                  25                  30
289 <210> SEQ ID NO: 15
290 <211> LENGTH: 31
291 <212> TYPE: PRT
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
296       peptide
298 <400> SEQUENCE: 15
299 Leu Glu Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
300  1               5                  10                  15
302 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Glu Gln
303             20                  25                  30
306 <210> SEQ ID NO: 16
307 <211> LENGTH: 31
308 <212> TYPE: PRT
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
313       peptide
315 <400> SEQUENCE: 16
316 Leu Glu Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
317  1               5                  10                  15
319 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Glu Gln
320             20                  25                  30
323 <210> SEQ ID NO: 17
324 <211> LENGTH: 31
325 <212> TYPE: PRT
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
330       peptide
332 <400> SEQUENCE: 17
333 Leu Glu Lys Lys Ala Glu Asp Leu Ser Ser Leu Asn Gly Gln Leu Gln
334  1               5                  10                  15
336 Ser Glu Val Thr Leu Leu Arg Asn Glu Val Ala Gln Leu Lys Gln
337             20                  25                  30
340 <210> SEQ ID NO: 18
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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY   DATE: 04/12/2002
PATENT APPLICATION: US/10/051,804A   TIME: 13:52:09

Input Set : A:\K-163.app
Output Set: N:\CRF3\04122002\J051804A.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:1004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1066 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1069 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37